

21 b) second input means for input of fax signals representative of a facsimile;

21 c) means selectively responsive to said image signals for printing said image in a first mode and to said fax signals for printing said facsimile in a second mode;

21 d) said printing means including means for selectively scanning a laser beam at a first rate corresponding to ~~the~~^a resolution of said image signals in said first mode, and for scanning said laser beam at a second rate corresponding to ~~the~~^a resolution of said fax signals in said second mode;

21 e) means for detecting input of said fax signals;

21 f) means responsive to said detecting means for selecting said second mode for said printing means;

21 g) means for determining characteristics of said fax signals.

21 h) means responsive to said determining means for further adjusting performance of said printing means in said second mode.

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14. A printing apparatus as described in claim 13, wherein said first input means includes means for disabling said second input means when said image signals are input, and said second input means includes means for disabling said first input means when said fax signals are input.

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15. A printing apparatus as described in claim 13 wherein said determining means includes means for analyzing said fax signal to determine said characteristics.

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~~16.~~ A printing apparatus as described in claim ~~15~~³ wherein said characteristics include representation of a half-tone facsimile, and said adjusting means responds to determination that said fax signal represents a half-tone facsimile to reduce ~~the~~^a spot size of said laser beam.

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~~17.~~ A printing apparatus as described in claim ~~16~~¹ wherein said determining means includes means for input by an operator of signals identifying said characteristics.

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~~18.~~ A printing apparatus as described in claim ~~17~~⁵ wherein said characteristics include representation of a half-tone facsimile, and said adjusting means responds to ^a determination that said fax signal represents a half-tone facsimile to reduce ~~the~~^a spot size of said laser beam.

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~~19.~~ A printing apparatus as described in claim ~~18~~¹ wherein said characteristics include representation of a coarse image facsimile, and said adjusting means responds to ^a determination that said facsimile represents a coarse image facsimile to control the ^{printing} ~~print~~ means to print each line of said fax signal ~~or~~^{as} two lines of said facsimile.

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~~20.~~ A printing apparatus as described in claim ~~19~~⁷ wherein said print^{ing} means is controlled to print each line of said fax signal twice as successive lines of said facsimile.

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~~2.~~_a A printing apparatus as described in claim ⁷~~1~~ wherein
~~the~~_A spot of said laser beam is transformed to an elliptical
shape covering two successive lines of said facsimile, ^{lines}
whereby each line of said fax signal is printed as two ~~lines~~_A
of said facsimile.

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